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(71) Applicant (for all designated States except US):  
GRENIDEA TECHNOLOGIES PTE LTD [SG/SG];  
Grenidea Technologies Pte Ltd, 67 Ayer Rajah Crescent,  
07-18/19/20, 139950 Singapore (SG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): XU, Yan [SG/SG];  
67 Ayer Rajah Crescent, 07-18/19/20, 139950 Singapore  
(SG).

(74) Agent: AXIS INTELLECTUAL CAPITAL PTE LTD;  
21A Duxton Road, Singapore 089487 (SG).

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(54) Title: SLURRY OF AGRICULTURAL FIBRES AND ITS PRODUCTS

(57) Abstract: Environmental friendliness and biodegradability are important considerations of disposable materials, be it packag-  
ing or paper, in order to minimize environmental damage. The present invention relates to a method of producing environmental  
friendly and biodegradable products using mechanically processed agricultural fibres and rightly formulated adhesive. In particular,  
mechanical treatment takes place in a pressure vessel under hydrothermal conditions using superheated steam. Treated agricultural  
fibres are mixed with stoichiometric amount of adhesive, through vigorous agitation, a well furnished agricultural fibre slurry is ob-  
tained and ready to be fed into manufacturing process to produce, in this invention, moulded shape bodies and paper liners. Unlike  
synthetic resin, the said adhesive formulation is biodegradable and made of natural renewable resources. The said adhesive has  
self-retention property. The agricultural fibre slurry can be easily made into moulded products and paper liners using commonly  
available processes.

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